

The mixed powders shown in Table 2 were loaded into cans of diameter (outer diameter) 30 mm and length 100 mm, heated to 500 °C, then hot extruded at an extrusion ratio of 10, to form neutron absorbers that were 4 [[m]] mm thick × 20 mm wide × 300 mm long. After heating the resulting neutron absorbers to 300 °C, they were rolled to obtain rolled neutron absorbers with a thickness of 1 mm. The processing conditions, workability and thermal conductivities of the aluminum neutron absorbers 1-13 are shown in Table 3.